-	133169	((phase or freq or frequency) near2	USPAT;	2004/08/09
		(detector or detection or detected or	US-PGPUB;	03:44
j		detect)) or "PFD"	EPO; JPO;	
			DERWENT	
-	6608	388/\$.ccls.	USPAT;	2004/08/09
İ			US-PGPUB;	03:44
1			EPO; JPO;	
			DERWENT	
-	8352	318/696,138,253,254,439.ccls.	USPAT;	2004/08/09
			US-PGPUB;	03:45
			EPO; JPO;	
			DERWENT	1
-	14638	388/\$.ccls. or	USPAT;	2004/08/09
		318/696,138,253,254,439.ccls.	US-PGPUB;	03:45
			EPO; JPO;	
			DERWENT	
-	1024	(((phase or freq or frequency) near2	USPAT;	2004/08/09
		(detector or detection or detected or	US-PGPUB;	03:45
		detect)) or "PFD") and (388/\$.ccls. or	EPO; JPO;	
		318/696,138,253,254,439.ccls.)	DERWENT	
-	112457	(non-linear) or (non adj linear) or	USPAT;	2004/08/09
	1	(non-linearity) or (non adj linearity)	US-PGPUB;	03:46
			EPO; JPO;	
	1		DERWENT	
-	37995	second adj order	USPAT;	2004/08/09
		_	US-PGPUB;	03:46
			EPO; JPO;	
			DERWENT	
-	145098	((non-linear) or (non adj linear) or	USPAT;	2004/08/09
		(non-linearity) or (non adj linearity))	US-PGPUB;	16:32
		or (second adj order)	EPO; JPO;	
		-	DERWENT	
_	3382716	reference	USPAT;	2004/08/09
			US-PGPUB;	03:56
			EPO; JPO;	
			DERWENT	
_	8442	(((phase or freq or frequency) near2	USPAT;	2004/08/09
		(detector or detection or detected or	US-PGPUB;	15:52
1		detect)) or "PFD") and (((non-linear) or	EPO; JPO;	
		(non adj linear) or (non-linearity) or	DERWENT	
İ		(non adj linearity)) or (second adj		
		order)) and reference		
-	47	((((phase or freq or frequency) near2	USPAT;	2004/08/09
		(detector or detection or detected or	US-PGPUB;	03:54
		detect)) or "PFD") and (((non-linear) or	EPO; JPO;	
		(non adj linear) or (non-linearity) or	DERWENT	
		(non adj linearity)) or (second adj		
	†	order)) and reference) and (388/\$.ccls.		
		or 318/696,138,253,254,439.ccls.)		
-	3800	((non-linear) or (non adj linear) or	USPAT;	2004/08/09
		(non-linearity) or (non adj linearity))	US-PGPUB;	03:56
		with reference	EPO; JPO;	
			DERWENT	
-	3537907	reference or (function adj generator) or	USPAT;	2004/08/09
		oscillator	US-PGPUB;	03:59
		·	EPO; JPO;	
			DERWENT	
-	2601		USPAT;	2004/08/09
		oscillator) near5 ((non-linear) or (non	US-PGPUB;	04:00
		adj linear) or (non-linearity) or (non	EPO; JPO;	
1		adj linearity))	DERWENT	1
-	7	***, **====	USPAT;	2004/08/09
		adj generator) or oscillator) near5	US-PGPUB;	04:00
		((non-linear) or (non adj linear) or	EPO; JPO;	
	_	(non-linearity) or (non adj linearity)))	DERWENT	
_	3844	(reference or (function adj generator) or	USPAT;	2004/08/09
		oscillator) near9 ((non-linear) or (non	US-PGPUB;	04:00
		adj linear) or (non-linearity) or (non	EPO; JPO;	
1	1	adj linearity))	DERWENT	<u> </u>

-	12	388/\$.ccls. and ((reference or (function	USPAT;	2004/08/09
		adj generator) or oscillator) near9	US-PGPUB;	09:45
		((non-linear) or (non adj linear) or	EPO; JPO;	
		<pre>(non-linearity) or (non adj linearity)))</pre>	DERWENT	
-	1514	describing adj function	USPAT;	2004/08/09
			US-PGPUB;	09:45
			EPO; JPO;	
			DERWENT	
 	2	(describing adj function) and 388/\$.ccls.	USPAT;	2004/08/09
		-	US-PGPUB;	09:46
			EPO; JPO;	
			DERWENT	1
_	29	(describing adj function) and 318/\$.ccls.	USPAT;	2004/08/09
			US-PGPUB;	09:46
			EPO; JPO;	
			DERWENT	
_	30	((describing adj function) and	USPAT;	2004/08/09
		388/\$.ccls.) or ((describing adj	US-PGPUB;	15:48
		function) and 318/\$.ccls.)	EPO; JPO;	1
		24.1002011, 41.14 320, 41.00231,	DERWENT	1
l _	2	((describing adj equation) and	USPAT;	2004/08/09
		388/\$.ccls.) or ((describing adj	US-PGPUB;	15:50
		equation) and 318/\$.ccls.)	EPO; JPO;	1 1
		cquacton, and Sio, v. ccis.,	DERWENT	
_	1180	388/805,812,813,814,820,832.ccls.	USPAT;	2004/08/09
	1100	300,003,012,013,014,020,032.0013.	US-PGPUB;	15:53
			EPO; JPO;	10.00
			DERWENT	
l _	133169	((phase or freq or frequency) near2	USPAT;	2004/08/09
	133103	(detector or detection or detected or	US-PGPUB;	15:56
		detect)) or "PFD"	EPO; JPO;	10.50
			DERWENT	
i _	226	388/805,812,813,814,820,832.ccls. and	USPAT;	2004/08/09
		(((phase or freq or frequency) near2	US-PGPUB;	15:52
		(detector or detection or detected or	EPO; JPO;	10.02
		detect)) or "PFD")	DERWENT	
_	239	(((phase or freq or frequency) near2	USPAT;	2004/08/09
	200	(detector or detection or detected or	US-PGPUB;	15:55
		detect)) or "PFD") and	EPO; JPO;	
1		(388/805,812,813,814,820,832.ccls. or	DERWENT	1
		388/911.ccls.)		
_	8352	318/696,138,253,254,439.ccls.	USPAT;	2004/08/09
1			US-PGPUB;	15:56
			EPO; JPO;	
			DERWENT	
-	702	(((phase or freq or frequency) near2	USPAT;	2004/08/09
		(detector or detection or detected or	US-PGPUB;	15:56
i l		detect)) or "PFD") and	EPO; JPO;	
		318/696,138,253,254,439.ccls.	DERWENT	
-	230	(((phase or freq or frequency) near2	USPAT;	2004/08/09
		(detector)) or "PFD") and	US-PGPUB;	15:56
		318/696,138,253,254,439.ccls.	EPO; JPO;	
1			DERWENT	
-	220	((((phase or freq or frequency) near2	USPAT;	2004/08/09
		(detector)) or "PFD") and	US-PGPUB;	15:57
		318/696,138,253,254,439.ccls.) not	EPO; JPO;	
		((((phase or freq or frequency) near2	DERWENT	
		(detector or detection or detected or		
		detect)) or "PFD") and		
		(388/805,812,813,814,820,832.ccls. or		
		388/911.ccls.))		
-	4974	(((phase or freq or frequency) near2	USPAT;	2004/08/09
		(detector)) or "PFD") and (((non-linear)	US-PGPUB;	16:33
		or (non adj linear) or (non-linearity) or	EPO; JPO;	
		(non adj linearity)) or exponential or	DERWENT	
l		exponentially)		

				· · · · · · · · · · · · · · · · · · ·
-	17	<pre>(((((phase or freq or frequency) near2 (detector)) or "PFD") and (((non-linear) or (non adj linear) or (non-linearity) or (non adj linearity)) or exponential or exponentially)) and (388/805,812,813,814,820,832.ccls. or</pre>	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/08/09 16:58
-	25305	388/911.ccls. or 318/696,138,253,254,439.ccls.) least adj square	USPAT; US-PGPUB; EPO; JPO;	2004/08/09 16:58
-	1644	(((phase or freq or frequency) near2 (detector or detection or detected or detect)) or "PFD") and (least adj square)	DERWENT USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/08/09 16:58
_	2	((((phase or freq or frequency) near2 (detector or detection or detected or detect)) or "PFD") and (least adj square)) and (388/805,812,813,814,820,832.ccls. or 388/911.ccls. or	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/08/10 14:02
-	57558	318/696,138,253,254,439.ccls.) ((phase or freq or frequency) near2 (detector)) or "PFD"	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/08/10 14:37
-	6580	388/800,805,812,813,814,820.ccls. or 318/138,254,439.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/08/10 14:37
-	300	(((phase or freq or frequency) near2 (detector)) or "PFD") and (388/800,805,812,813,814,820.ccls. or 318/138,254,439.ccls.)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/08/10 15:14
-	173284	<pre>((non-linear) or (non adj linear) or (non-linearity) or (non adj linearity)) or exponential or exponentially</pre>	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/08/10 14:39
_	286	<pre>((((phase or freq or frequency) near2 (detector)) or "PFD") and (388/800,805,812,813,814,820.ccls. or 318/138,254,439.ccls.)) not ((((phase or freq or frequency) near2 (detector)) or "PFD") and (388/800,805,812,813,814,820.ccls. or 318/138,254,439.ccls.)) and (((non-linear) or (non adj linear) or (non-linearity) or (non adj linearity))</pre>	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/08/10 14:39
-	14	or exponential or exponentially)) ((((phase or freq or frequency) near2 (detector)) or "PFD") and (388/800,805,812,813,814,820.ccls. or 318/138,254,439.ccls.)) and (((non-linear) or (non adj linear) or (non-linearity) or (non adj linearity)) or exponential or exponentially)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/08/10 15:14
_	1646	318/437,608,621,632.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/08/10 15:14
-	97	(((phase or freq or frequency) near2 (detector)) or "PFD") and 318/437,608,621,632.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/08/10 15:14
-	5	<pre>((((phase or freq or frequency) near2 (detector)) or "PFD") and 318/437,608,621,632.ccls.) and (((non-linear) or (non adj linear) or (non-linearity) or (non adj linearity)) or exponential or exponentially)</pre>	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/08/10 15:15
	<u> </u>		 	

			 	
-	108	388/911.ccls.	USPAT;	2004/08/10
			US-PGPUB;	15:15
	1		EPO; JPO;	
	8142	/200/000 005 012 012 014 020 0010 00	DERWENT USPAT;	2004/08/10
-	0142	(388/800,805,812,813,814,820.ccls. or 318/138,254,439.ccls.) or	US-PGPUB;	15:15
		318/437,608,621,632.ccls. or	EPO; JPO;	13.13
		388/911.ccls.	DERWENT	
_	25335	least adj square	USPAT;	2004/08/10
			US-PGPUB;	15:16
	İ		EPO; JPO;	
			DERWENT	
-	22		USPAT;	2004/08/10
		318/138,254,439.ccls.) or	US-PGPUB;	15:19
	<u> </u>	318/437,608,621,632.ccls. or	EPO; JPO;	
		388/911.ccls.) and (least adj square)	DERWENT	
-	1589	describing adj (equation or function)	USPAT;	2004/08/10
			US-PGPUB;	21:06
İ			EPO; JPO; DERWENT	
_	174	 (estimation or estimating) adj (linear or	USPAT;	2004/08/10
	1/3	linearity or linearities)	US-PGPUB;	21:07
1		linearity of linearities,	EPO; JPO;	2 ,
			DERWENT	
-	695667	fitting	USPAT;	2004/08/10
			US-PGPUB;	15:20
			EPO; JPO;	
			DERWENT	
-	697320	(describing adj (equation or function))	USPAT;	2004/08/10
		or ((estimation or estimating) adj	US-PGPUB;	15:20
}		(linear or linearity or linearities)) or	EPO; JPO;	
	127	fitting	DERWENT	2004/08/10
-	137	((388/800,805,812,813,814,820.ccls. or 318/138,254,439.ccls.) or	USPAT; US-PGPUB;	16:03
		318/437,608,621,632.ccls. or	EPO; JPO;	10.03
		388/911.ccls.) and ((describing adj	DERWENT	
İ		(equation or function)) or ((estimation	DERWENT	i
		or estimating) adj (linear or linearity	•	
		or linearities)) or fitting)		
-	115819	318/\$.ccls. or 388/\$.ccls. or 700/\$.ccls.	USPAT;	2004/08/10
			US-PGPUB;	16:04
	•		EPO; JPO;	
		1,, ., ,, ,,	DERWENT	
-	1763	(describing adj (equation or function))	USPAT;	2004/08/10
		or ((estimation or estimating) adj	US-PGPUB;	16:04
		(linear or linearity or linearities))	EPO; JPO;	
1_	108	((318/\$.ccls. or 388/\$.ccls. or	DERWENT USPAT;	2004/08/10
1		700/\$.ccls.) and ((describing adj	US-PGPUB;	17:29
		(equation or function)) or ((estimation	EPO; JPO;	- : • - •
1		or estimating) adj (linear or linearity	DERWENT	
1		or linearities)))) not		
1		(((388/800,805,812,813,814,820.ccls. or		
1		318/138,254,439.ccls.) or		
1		318/437,608,621,632.ccls. or		
1	Ì	388/911.ccls.) and ((describing adj		
		(equation or function)) or ((estimation		
		or estimating) adj (linear or linearity or linearities)) or fitting))		
_	277	((388/800,805,812,813,814,820.ccls. or	USPAT;	2004/08/10
	"	318/138,254,439.ccls.) or	US-PGPUB;	17:32
		318/437,608,621,632.ccls. or	EPO; JPO;	- / 1 - / 1
		388/911.ccls.) and (((phase or freq or	DERWENT	
		frequency) near2 (detector)) or "PFD")		
		and (compare or compared or comparator or		
		comparing or subtract or subtractor or		
		subtracted or subtracting))		
-	2721339	compare or compared or comparator or	USPAT;	2004/08/10
		comparing or subtract or subtractor or	US-PGPUB;	17:31
1		subtracted or subtracting or error	EPO; JPO;	
	L <u></u>		DERWENT	

-	19839	(((phase or freq or frequency) near2	USPAT;	2004/08/10
	ļ	(detector)) or "PFD") same (compare or	US-PGPUB;	17:31
		compared or comparator or comparing or	EPO; JPO;	
		subtract or subtractor or subtracted or	DERWENT	
	104	subtracting or error)	HCDAM.	2004/00/10
_	194	((388/800,805,812,813,814,820.ccls. or	USPAT;	2004/08/10
		318/138,254,439.ccls.) or	US-PGPUB;	20:28
		318/437,608,621,632.ccls. or	EPO; JPO;	
		388/911.ccls.) and (((phase or freq or	DERWENT	
		frequency) near2 (detector)) or "PFD")		
		same (compare or compared or comparator		
		or comparing or subtract or subtractor or		
	5427	subtracted or subtracting or error)) ((phase or frequency or freq) adj	USPAT;	2004/08/10
-	3427	((phase of frequency of freq) adj detector).ti.	US-PGPUB;	20:29
		detector, tr.	EPO; JPO;	20.29
			DERWENT	
_	0	((describing adj (equation or function))	USPAT;	2004/08/10
_	٠	or ((estimation or estimating) adj	US-PGPUB;	20:29
		(linear or linearity or linearities)))	EPO; JPO;	20.29
		and (((phase or frequency or freq) adj	DERWENT	
		and (((phase of frequency of freq) adj detector).ti.)	DELABIAT	
_	211	(digital near (phase or frequency or	USPAT;	2004/08/10
	211	(digital hear (phase of frequency of freq) adj detector).ti.	US-PGPUB;	20:59
		1104/ 443 4000001/.01.	EPO; JPO;	
			DERWENT	
l _	544	(((phase or freq or frequency) near2	USPAT;	2004/08/10
	344	(detector)) or "PFD") same (transfer adj	US-PGPUB;	20:59
		function)	EPO; JPO;	20.03
			DERWENT	
_	7	((((phase or freq or frequency) near2	USPAT;	2004/08/10
	,	(detector)) or "PFD") same (transfer adj	US-PGPUB;	21:00
		function)) and 388/\$.ccls.	EPO; JPO;	
			DERWENT	
_	23	((((phase or freq or frequency) near2	USPAT;	2004/08/10
		(detector)) or "PFD") same (transfer adj	US-PGPUB;	21:00
		function)) and (388/\$.ccls. or	EPO; JPO;	
		318?\$.ccls.)	DERWENT	
_	41	describing adj (equation or function)	EPO; JPO	2004/08/10
				21:06
-	5	(estimation or estimating) adj (linear or	EPO; JPO	2004/08/10
1		linearity or linearities)		21:07
-	46	1 '	EPO; JPO	2004/08/10
		or ((estimation or estimating) adj		22:04
		(linear or linearity or linearities))		
-	629740	model or modeled or modeling	USPAT;	2004/08/10
1			US-PGPUB;	22:04
1			EPO; JPO;	
		l,,,	DERWENT	0004/00/50
-	9032	(((non-linear) or (non adj linear) or	USPAT;	2004/08/10
		(non-linearity) or (non adj linearity))	US-PGPUB;	22:05
i		or exponential or exponentially) same	EPO; JPO;	
		(model or modeled or modeling)	DERWENT	2004/02/11
-	205	(((phase or freq or frequency) near2	USPAT;	2004/08/11
		(detector)) or "PFD") and (((non-linear)	US-PGPUB;	20:40
		or (non adj linear) or (non-linearity) or	EPO; JPO;	
		(non adj linearity)) or exponential or	DERWENT	
		exponentially) same (model or modeled or		
	_	modeling))	HCDATE:	2004/00/10
-	2	(318/\$.ccls. or 388/\$.ccls. or	USPAT;	2004/08/10
		700/\$.ccls.) and (((phase or freq or	US-PGPUB; EPO; JPO;	22:06
		frequency) near2 (detector)) or "PFD")	DERWENT	
i		and ((((non-linear) or (non adj linear) or (non-linearity) or (non adj	DEVMENT	
		linearity)) or exponential or		
		exponentially) same (model or modeled or		
i		modeling)))		
L	L	_ ···· · · · · · · · · · · · · · · · ·	L	1

			IICDAM -	2004/09/10
-	35		USPAT;	2004/08/10
		near2 (detector)) or "PFD") and	US-PGPUB;	22:31
		((((non-linear) or (non adj linear) or	EPO; JPO;	
		(non-linearity) or (non adj linearity))	DERWENT	
		or exponential or exponentially) same		
		(model or modeled or modeling)))		
-	2	4549123.pn.	USPAT;	2004/08/10
			US-PGPUB;	22:31
			EPO; JPO;	
			DERWENT	
-	57558	(((phase or freq or frequency) near2	USPAT;	2004/08/11
		(detector)) or "PFD")	US-PGPUB;	20:40
			EPO; JPO;	
	[DERWENT	
-	206700	tune or tuning or tuned	USPAT;	2004/08/11
			US-PGPUB;	20:40
			EPO; JPO;	
			DERWENT	
-	1204	388/805,812,813,814,820,832.ccls. or	USPAT;	2004/08/11
		388/911.ccls.	US-PGPUB;	20:58
			EPO; JPO;	
	ļ		DERWENT	
-	8		USPAT;	2004/08/11
		(detector)) or "PFD")) and (tune or	US-PGPUB;	20:40
		tuning or tuned) and	EPO; JPO;	
1		(388/805,812,813,814,820,832.ccls. or	DERWENT	
		388/911.ccls.)		
-	6611	388/\$.ccls.	USPAT;	2004/08/11
			US-PGPUB;	20:59
			EPO; JPO;	İ
			DERWENT	
_	2	(((((phase or freq or frequency) near2	USPAT;	2004/08/11
		(detector)) or "PFD")) and (tune or	US-PGPUB;	22:02
,		tuning or tuned) and 388/\$.ccls.) not	EPO; JPO;	
		((((phase or freq or frequency) near2	DERWENT	
		(detector)) or "PFD")) and (tune or		
		tuning or tuned) and		
		(388/805,812,813,814,820,832.ccls. or		
		388/911.ccls.))	l	
-	112	(digital near2 (phase adj2 detector)) and	USPAT;	2004/08/11
İ		(digital near2 (loop adj filter))	US-PGPUB;	22:03
			EPO; JPO;	1
			DERWENT	
-	5	((digital near2 (phase adj2 detector))	USPAT;	2004/08/11
		and (digital near2 (loop adj filter)))	US-PGPUB;	22:04
		and servo	EPO; JPO;	
			DERWENT	